

FIG. 1

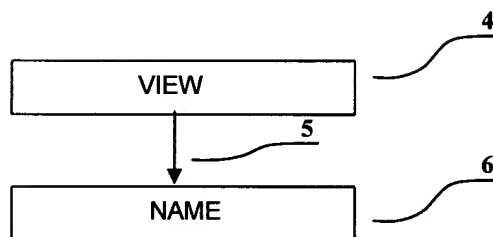


FIG. 2

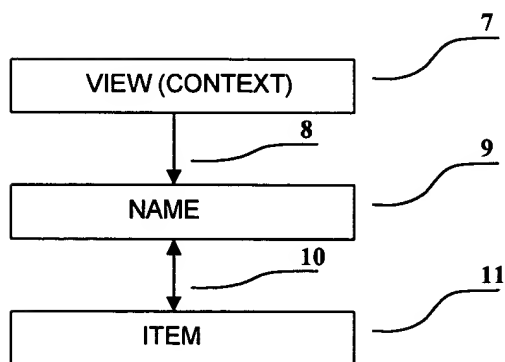


FIG. 3

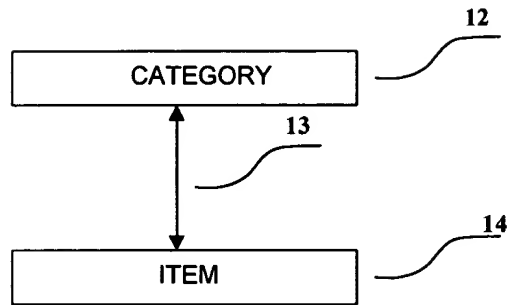


FIG. 4

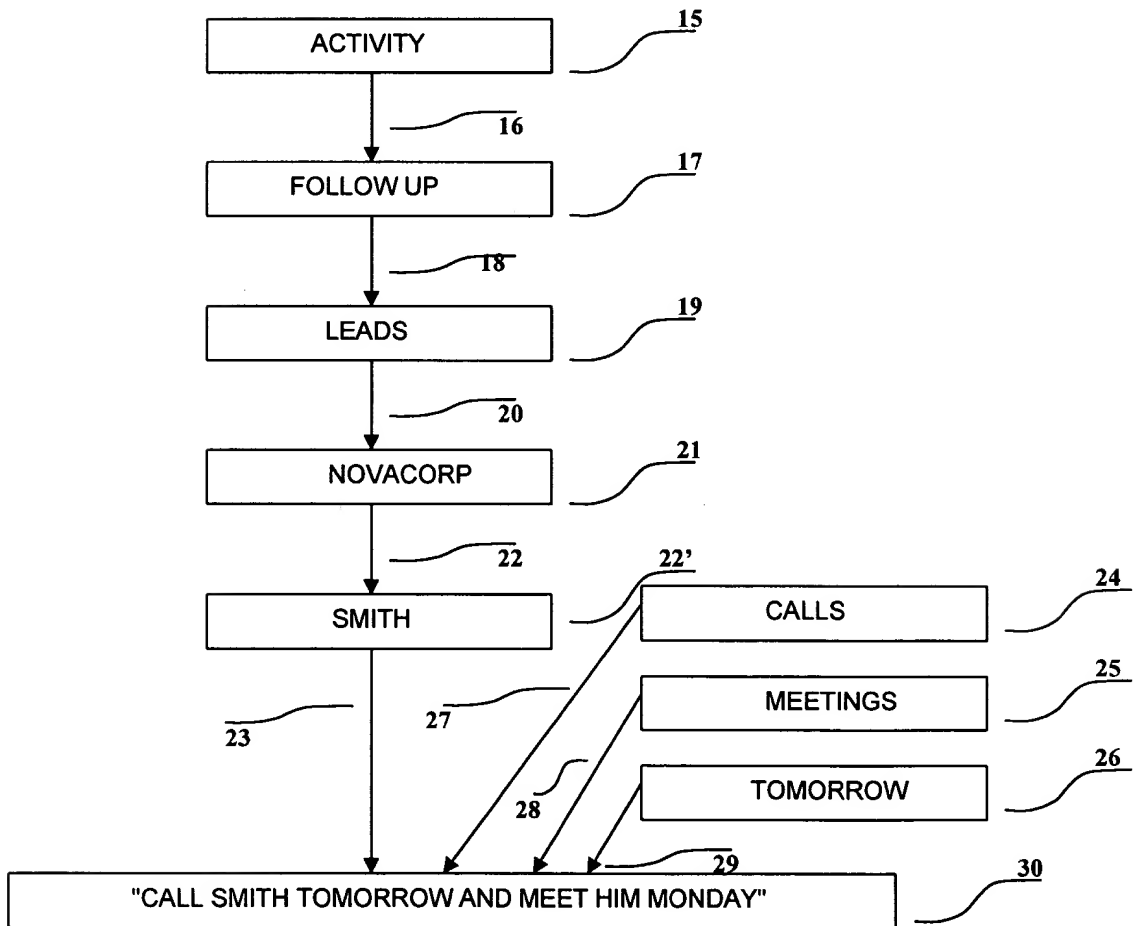


FIG. 5

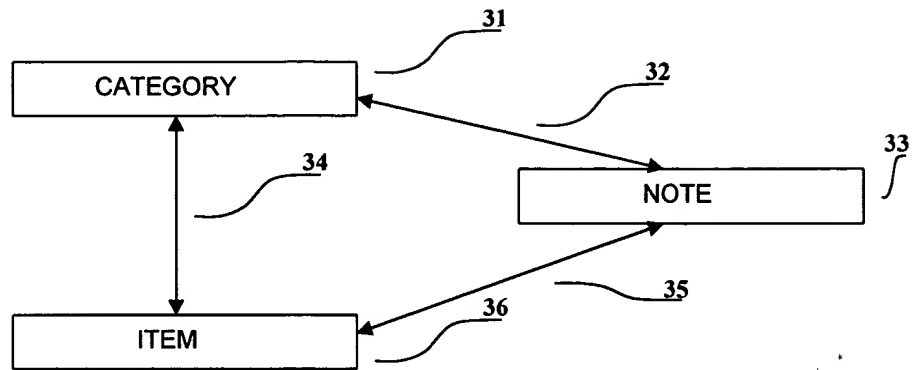


FIG. 6

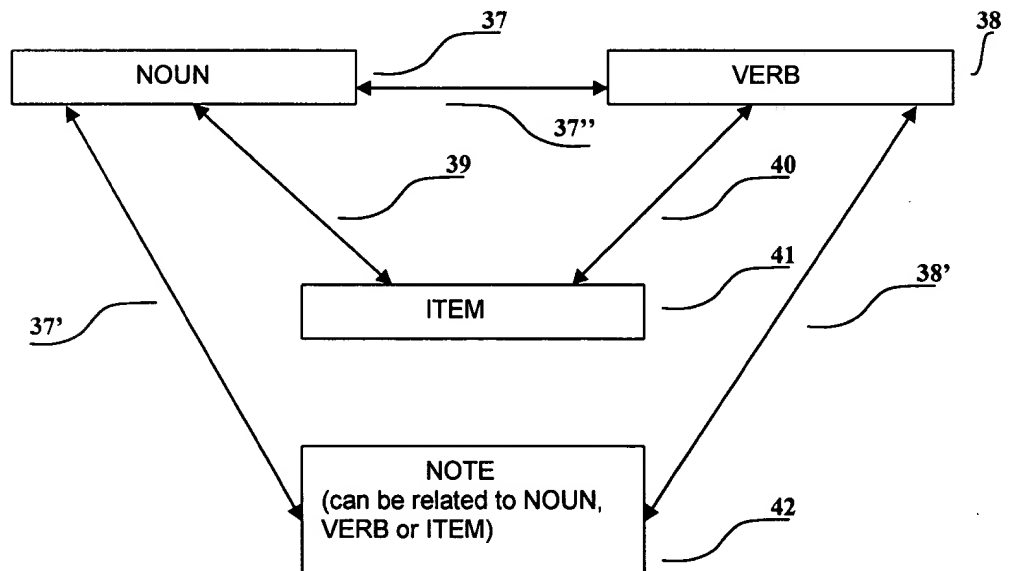


FIG. 7

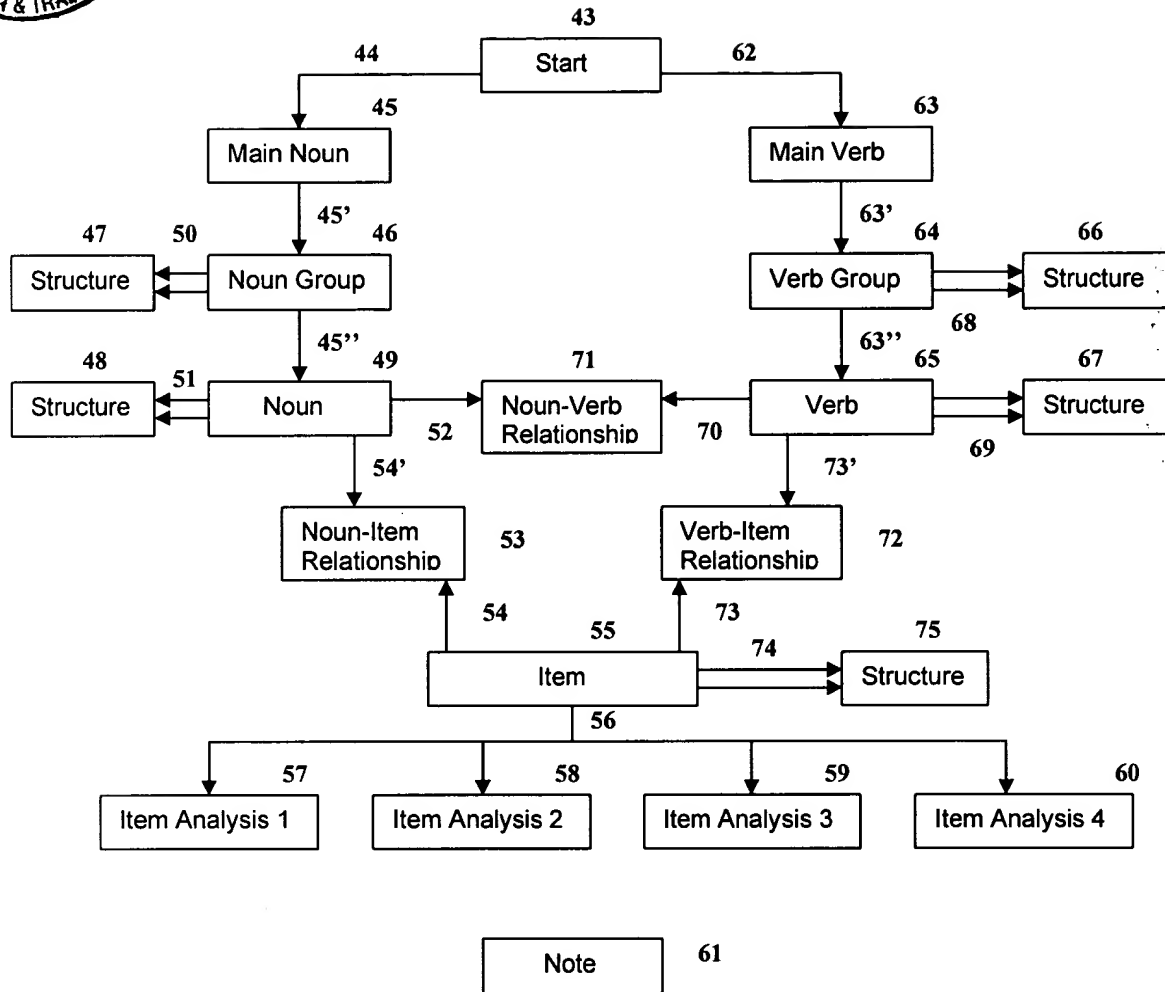


FIG. 8

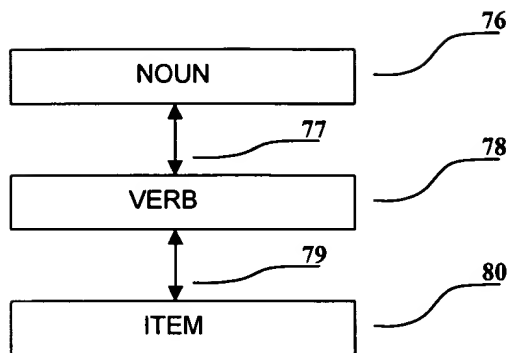


FIG. 9

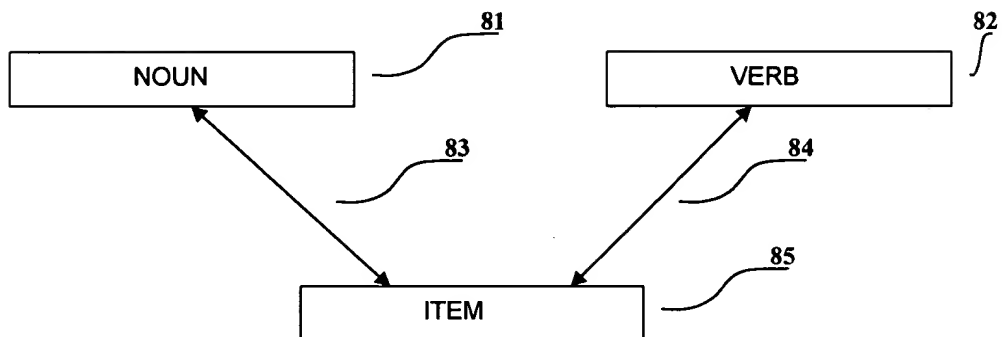


FIG. 10

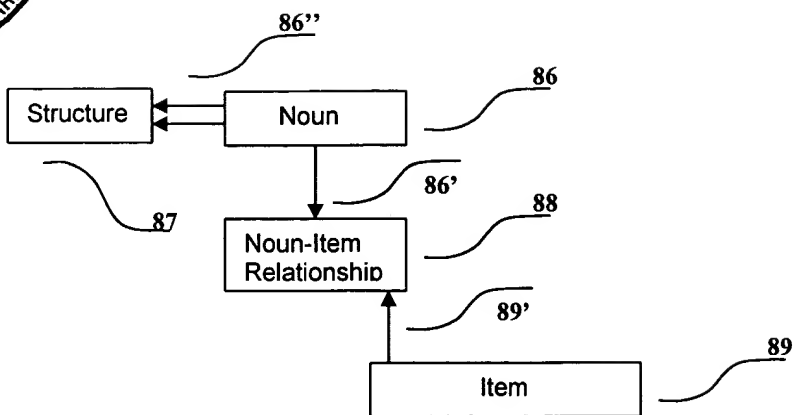


FIG. 11

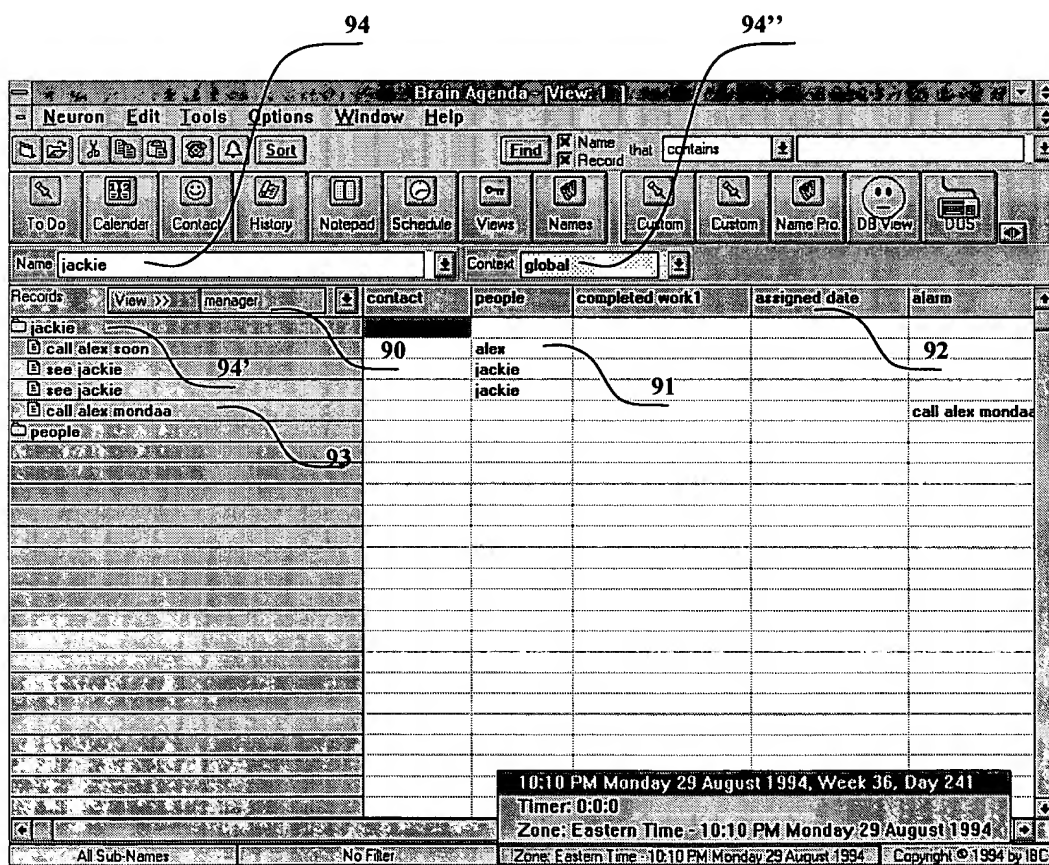


FIG. 12

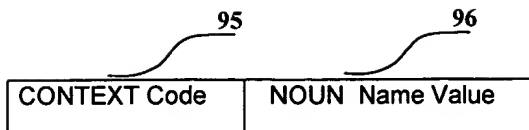


FIG. 13

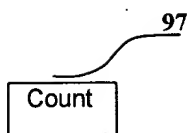


FIG. 14

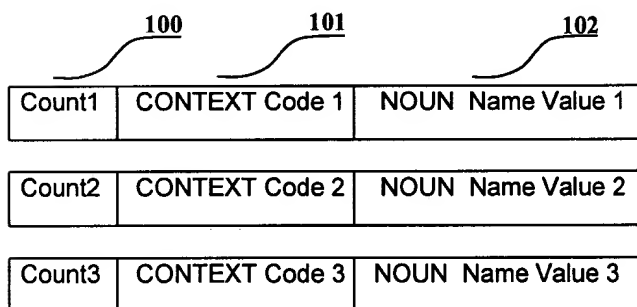


FIG. 15

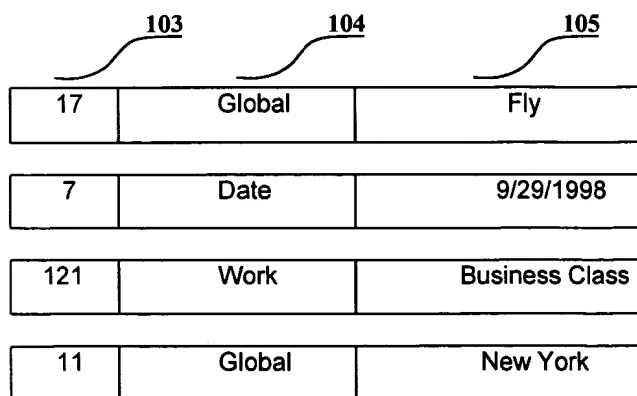


FIG. 16



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```
*****
/*
/*
/*      BRAIN      Schema for the database BRAIN.
/*
/*      Global schema for every neuron.
/*
/*
/*      Identification:
/*
/*      1000-0-00-00-00
/*
/*      ---- - - - - --      neuron    0001/.../1000
/*
/*      portion    0/1/2
/*
/*      relation 00/10/.../54
/*
/*      release    1
/*
/*      version    1
/*
/*
/*      Portion      1
/*
/*      0      Abstraction
/*
/*      1      Reality
/*
/*      2      Abstraction-Reality
relation*/
/*
/*
/*      Part      11      Noun+Data+Doc
/*
/*      10      Noun
/*
/*      14      Noun-Data
/*
/*      15      Noun-Doc
/*
/*      40      Data
/*
/*      45      Data-Doc
/*
/*      50      Doc
/*
/*
/*      Release    01
/*
/*
```

FIG. 17A





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```
01          Alpha release
/*
02          Beta  release
/*
/*
/*
Version      01
/*
01          Alpha version
/*
02          Beta  version
/*
/*
/*
/*****
/
/* Module name : Brain Agenda - Personal Information Manager
*/
/*          NEURON_1000
*/
/*****
/
/* Implemented : RAIMA, db_VISTA III
*/
/*
/*
/* Compile type: ddp
*/
/*          def. ddlp -rxbds brain.ddl
*/
/*          -r - report
/*
/*          x - cross reference
/*
/*          b - no alignment
/*
/*          d - dupl. field names
/*
/*          s - case preserve
/*
/*****
/
/* 1. | BRAIN      | 1991.09.01 | New
*/
/*****
/
/* 1000-0-00-00-00      6144*/
database BRAIN [6144]
{
    data file "F100010.00" contains
/* 1000-0-10-00-00 */
                                noun;
    data file "F100011.00" contains
/* 1000-0-11-00-00 */
```

FIG. 17B



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```

    datar,
    datar_tabl;
data file "F100012.00" contains
1000-0-11-00-00 */

    noun_datar,
    noun_str,
                                noun_synonim,
    datar_str,
                                action_before,
    action_after;

    data file "F100019.00" contains
/* 1000-0-10-00-00 */
                                brain,
/* 1000-0-50-00-00 */
                                note;

    key file "F100010.00K" contains
                                noun.id;
    key file "F100011.00K" contains
                                datar.id;
    key file "F100019.00K" contains
                                note.id;
/*****
/
/* Sub-schema : BRAIN - NOUN
*/
/* Description : Noun (Parameter) part of BRAIN
*/
/*****
/
/* Record type : brain
*/
/* Description : Start of the NEURON 1000
*/
/*****
/
    record brain
    {
        char          db_path [81];      /* Path to database      */
        char          db_name [81];      /* name of the db "brain" */
        struct
        {
            long       type_v;           /* noun type, view id    */
            char       kname_v [41];     /* noun 40B + 1B null termin*/
            long       subtype_v;        /* noun subtype, def = 0  */
        } id_v;
        char          name_v [256];      /*
        struct
        {
            long       type_n;           /* noun type, name id    */
            char       kname_n [41];     /* noun 40B + 1B null termin*/
            long       subtype_n;        /* noun subtype, def = 0  */
            long       type2_n;          /* noun 2 type, def = 0   */

```

FIG. 17C



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```
char      kname2_n [41];/* noun 40B + 1B null termin*/
long      subtype2_n; /* noun subtype, def = 0 */
} id_n;
char      name_n [256]; /*

*/
long      read_action; /* action on load */
long      next_1; /* next available ??? */
long      next_2; /* number for extention */
long      next_3; /* noun ext.,noun definition*/
long      value_1 ; /*
long      value_2 ; /*
long      value_3 ; /*
double    double_1; /*
double    double_2; /*
double    double_3; /*
char      reserve_1[41]; /*
char      reserve_2[41]; /*
char      free[5001]; /*

}
/*****
/
/* Record type : noun
*/
/* Description : names (views,names,contexts)
*/
/*****
/

record noun
{
    unique key struct
    {
        long      type; /* noun type, def = 0 */
        char      kname [41]; /* noun 40B + 1B null termin*/
        long      subtype; /* noun subtype, def = 0 */
        long      type2; /* noun 2 type, def = 0 */
        char      kname2 [41];/* noun 40B + 1B null termin*/
        long      subtype2; /* noun subtype, def = 0 */
    } id;
    char      name[256]; /* 255+1 */

    struct
    {
        long      type_p; /* noun type, pair id */
        char      kname_p [41]; /* noun 40B + 1B null termin*/
        long      subtype_p; /* noun subtype, def = 0 */
    } id_p;
        long      cf; /* certainty factor */
        long      delete; /*
        long      joint_id; /* neuron||joint long */
        long      read_action; /* action on read */
        double    date_create; /*
        double    date_when; /*
        double    date_done; /*
        double    date_start; /*
        double    date_end; /*
```

FIG. 17D

```

        char    short_name [21];      /*          1B null termin*/
        char    cat_type [11];        /*          1B null termin*/
        char    exclusive [2];        /*          1B null termin*/
        char    settings [41];        /*          1B null termin*/
        long    layout_link; /* type of layout for linked note*/
struct
{
    long        type_link; /* link to extension which */
    char        kname_link [41]; /* is in note */
    long        subtype_link; /*reserve the range of notes*/
} id_link;
struct
{
    long        type_note; /* note id */
    char        kname_note [41]; /* note name */
    long        subtype_note; /* note page */
} id_note;
    long        position_note; /*          in document/page */
    char        free_1 [101];
    char        free_2 [101];
    char        reserve_1[21]; /*3 sets person company */
    char        reserve_2[11]; /*          notes (commence) */
    char        reserve_3[11]; /*          notes (commence) */
}
/*****
/
/* Record type : datar */
/* Description : records from Brain Agenda */
/*
/*****
/
record datar
{
    unique key struct
    {
        long        type; /* data type, def = 0 */
        char        kname [41]; /* data 40B + 1B null termin*/
        long        subtype; /* data subtype, def = 0 */
    } id;
    char        name[256]; /* 255+1 */
    long        cf; /* certainty factor */
*/
    long        delete; /* */
    long        joint_id; /* neuron||joint long */
*/
    long        read_action; /* action on read */
    double date_create; /* */
    double date_when; /* */
    double date_done; /* */
    double date_start; /* */
    double date_end; /* */
    char        settings [41]; /*          1B null termin*/
struct
{

```

FIG. 17E



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```

    long    type_note;          /* note id */
    char    kname_note [41];    /* note name */
    long    subtype_note;       /* note page */
} id_note;

    long    position_note;      /*          in document/page */
    long    long_1;             /*          */
    char    reserve_1[11];      /*          */
    char    reserve_2[11];      /*          */
    char    reserve_3[11];      /*          */
    char    reserve_4[11];      /*          */

}

/*****
/
/* Record type : datar_tabl */
/* Description : data tables
*/
/*****
/
    record datar_tabl
    {
        long    elem [120];      /* 120 elements */
        long    cf;              /* certainty factor */
        long    delete;          /*          */
        double  date_create;      /*          */
        long    read_action;      /* action on read */
        double  double_1;         /*          */
        char    reserve_1[11];    /*          */
        char    reserve_2[21];    /*          */
    }

/*****
/
/* Record type : note
*/
/* Description : notes (pages ) document
*/
/*****
/
    record note
    {
        unique key struct
        {
            long    from;         /* doc id +datar,-name,0-user */
            long    type;         /* from record or name */
            char    kname [41];   /* chapter||paragraph||verse
blank*/
            long    subtype;      /* for user=0 */
            long    page_nr;      /* page nr */
        } id;
        char    name [256];      /*          */
        long    cf;              /* certainty factor */
        char    chapter [101];   /* left on page */
        char    chapter_1[101];  /* left on page */
        char    chapter_2[101];  /* left on page */
        char    chapter_3[101];  /* left on page */
    }

```

FIG. 17F



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```
char chapter_4[101]; /* left on page */
char chapter_5[101]; /* left on page */
char chapter_6[101]; /* left on page */
long verse; /* left on page */
char page [5001]; /* page 5001 */
long delete; /* */
long read_action; /* action on read */
char reserve_1 [11];
char reserve_2 [11];
char reserve_3 [11];
char reserve_4 [11];
}
/*****
/
/* Record type : noun_str
*/
/* Description : structure of the noun
*/
/*****
/
record noun_str
{
    long cf; /* certainty factor */
    double date_create; /* */
    long read_action; /* action on read */
    double double_1; /* */
    char reserve_2[11]; /* */
    char reserve_3[11]; /* */
}
/*****
/
/* Record type : noun_datar
*/
/* Description : relation noun - datar */
/*****
/
record noun_datar
{
    long cf; /* certainty factor */
    double date_create; /* */
    long read_action; /* action on read */
    double double_1; /* */
    char reserve_2[11]; /* */
    char reserve_3[11]; /* */
}
/*****
/
/* Record type : action before
*/
/* Description : must belong to the datar before being assigned to
*/
/* the current datar */
/*****
/
```

FIG. 17G



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```
record action_before
{
    long    cf;                /* certainty factor      */
    double  date_create;       /*                        */
    long    read_action;       /* action on read        */
    double  double_1;          /*                        */
    char    reserve_2[11];     /*                        */
    char    reserve_3[11];     /*                        */
}

/*****
/
/* Record type : noun action after
*/
/* Description : is assigned to noun after being assigned to
*/
/*                the current noun
*/
/*****
/
    record action_after
    {
        long    cf;                /* certainty factor      */
        double  date_create;       /*                        */
        long    read_action;       /* action on read        */
        double  double_1;          /*                        */
        char    reserve_2[11];     /*                        */
        char    reserve_3[11];     /*                        */
    }

/*****
/
/* Record type : noun_synonim
*/
/* Description : all synonyms for a noun
*/
/*****
/
    record noun_synonim
    {
        long    cf;                /* certainty factor      */
        double  date_create;       /*                        */
        long    read_action;       /* action on read        */
        double  double_1;          /*                        */
        char    reserve_2[11];     /*                        */
        char    reserve_3[11];     /*                        */
    }

/*****
/
/* Record type : datar_str
*/
/* Description : structure of the datar
*/
/*****
/
    record datar_str
```

FIG. 17H



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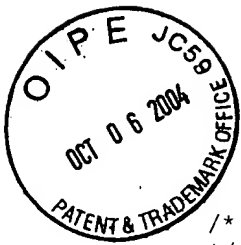
Technology Center

```
{
    long    cf;                /* certainty factor          */
    double  date_create;       /*                            */
    long    read_action;       /* action on read            */
    double  double_1;          /*                            */
    char    reserve_2[11];     /*                            */
    char    reserve_3[11];     /*                            */
}

/*****
/
/* Set type      : noun_set
*/
/* Description : Search path for noun
*/
/*****
/
    set noun_set
    {
        order descending;
        owner brain;
        member noun by cf;
    }
/*****
/
/* Set type      : datar set
*/
/* Description : Search path for datar record
*/
/*****
/
    set datar_set
    {
        order descending;
        owner noun;
        member noun_datar by cf;
    }
/*****
/
/* Set type      : datar_noun set
*/
/* Description : Search path for noun from datar
*/
/*****
/
    set datar_noun_set
    {
        order descending;
        owner datar;
        member noun_datar by cf;
    }
/*****
/
/* Set type      : noun_synonim_exp_set
*/
```

FIG. 17I





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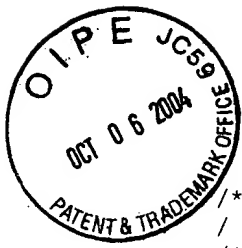
```
/* Description : Search path for noun synonym explosion
*/
/*****
/
    set noun_synonim_exp_set
    {
        order descending;
        owner noun;
        member noun_synonim by cf;
    }
/*****
/
/* Set type      : noun_synonim_imp_set
*/
/* Description : Search path for noun synonym implosion
*/
/*****
/
    set noun_synonim_imp_set
    {
        order descending;
        owner noun;
        member noun_synonim by cf;
    }
/*****
/
/* Set type      : noun_exp_set
*/
/* Description : Search path for noun explosion
*/
/*****
/
    set noun_exp_set
    {
        order descending;
        owner noun;
        member noun_str by cf;
    }
/*****
/
/* Set type      : noun_imp_set
*/
/* Description : Search path for noun record from noun_str
*/
/*****
/
    set noun_imp_set
    {
        order descending;
        owner noun;
        member noun_str by cf;
    }
/*****
/
```

FIG. 17J



```
/* Set type      : datar_exp_set
*/
/* Description : Search path for datar explosion
*/
/*****
/
    set datar_exp_set
    {
        order descending;
        owner datar;
        member datar_str by cf;
    }
/*****
/
/* Set type      : datar_imp_set
*/
/* Description : Search path for datar record from datar_str
*/
/*****
/
    set datar_imp_set
    {
        order descending;
        owner datar;
        member datar_str by cf;
    }
/*****
/
/* Set type      : action_before_exp set
*/
/* Description : Search path for action_before from noun
*/
/*****
/
    set action_before_exp_set
    {
        order descending;
        owner noun;
        member action_before by cf;
    }
/*****
/
/* Set type      : action_before_imp set
*/
/* Description : Search path for action_before from noun
*/
/*****
/
    set action_before_imp_set
    {
        order descending;
        owner noun;
        member action_before by cf;
    }
}
```

FIG. 17K



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```

/*****
/
/* Set type      : action_after_exp set
*/
/* Description : Search path for action_after from noun
*/
/*****
/
    set action_after_exp_set
    {
        order descending;
        owner noun;
        member action_after by cf;
    }
/*****
/
/* Set type      : action_after_imp set
*/
/* Description : Search path for action_after from noun
*/
/*****
/
    set action_after_imp_set
    {
        order descending;
        owner noun;
        member action_after by cf;
    }
/*****
/
/* Set type      : datar_tabl set
*/
/* Description : Search path for datar_tabl from datar
*/
/*****
/
    set datar_tabl_set
    {
        order descending;
        owner datar;
        member datar_tabl by cf;
    }
/* 1000-0-00-00-00 */
}
/*****
/
/* End of Schema: Brain Agenda
*/
/*****
/

```

FIG. 17L

Brain Agenda - [View: 1]

Neuron Edit Tools Options Window Help

Find Name that contains

To Do Calendar Contact History Notepad Schedule Views Names Custom Custom Name Pro DB View DUS

Name jackie Context global

Records View >> manager contact people completed work 1 assigned date alarm

jackie

call alex soon 106

see jackie 111

see jackie 107

call alex mondaa 110

people 109

108

10:10 PM Monday 29 August 1994, Week 36, Day 241

Timer: 0:00

Zone: Eastern Time - 10:10 PM Monday 29 August 1994

All Sub-Names No Filter

Zone: Eastern Time - 10:10 PM Monday 29 August 1994 Copyright © 1994 by IBC